

§Appl. No. 09/529,588
Amdt. dated January 31, 2005
Reply to Office Action of, September 29, 2004

Listing of Claims:

Please amend the claims as follows:

Claims 1-47 (Cancelled)

*Entered
2/14/05
MC*

Claim 48 (Currently Amended) A method of making replicate arrays, comprising repeatedly sectioning a bundle of aligned array members disposed in structural members to make wafers comprising replicate arrays, wherein:

each of said array comprises structural members is aligned in the bundle parallel to an alignment axis and continuously encloses a each of which has a lumen through its length parallel to said axis therethrough which is continuously enclosed thereby;

each of said array member members in said bundle is a homogeneous composition disposed within a separate lumen of a structural member which extends from a first to a second wafer surface formed by said sectioning; and is continuously enclosed therein through the length of said structural member parallel to said axis;

in forming said bundle said array members are disposed in said lumen such that upon and by said disposition therein said array members are therein continuously enclosed by said structural members through their length parallel to said axis; and

in each wafer formed by said sectioning of said bundle the section of each structural member and each array member disposed therein are aligned in the bundle parallel to an alignment axis and occupy occupies a defined position in the two dimensions orthogonal thereto to the alignment axis and extends from a first to a second wafer surface formed by said sectioning;

and further comprising carrying out an immunoassay, a hybridization assay, a ligand-binding assay or receptor binding assay, or a substrate analog affinity assay using said arrays.